

FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

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944-001.057

SERIAL NO.

10/016,139

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APPLICANT

Jari Syrjärinne et al.

FILING DATE

December 12, 2001

GROUP

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(Use several sheets if necessary)

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
FHM	4 5 3 5 6 2 5	08/20/85	Lyle, Jr.			
FHM	5 1 4 4 5 9 5	09/01/92	Graham et al.			
FHM	5 3 5 5 3 1 6	10/11/94	Knobbe			
FHM	5 3 8 1 0 9 5	01/10/95	Andrews			
FHM	5 5 0 6 8 1 7	04/09/96	O'Brien, Jr.			
FHM	5 5 1 1 0 4 2	04/23/96	O'Brien, Jr.			
FHM	5 5 2 5 9 9 5	06/11/96	Benner			
FHM	5 5 3 7 3 6 8	07/16/96	O'Brien, Jr. et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

FHM	1	S. Bancroft (1985), "An Algebraic Solution of the GPS Equations," IEEE Transactions on Aerospace and Electronic Systems, Vol. 21 (7), January 1985.
FHM	2	A. Houles and Y. Bar-Shalom (1989), "Multisensor Tracking of a Maneuvering Target in Clutter," IEEE Transactions on Aerospace and Electronic Systems, Vol. 25 (2), March 1989.
FHM	3	F. Dufour and M. Mariton (1991), "Tracking a 3D Maneuvering Target With Passive Sensors," IEEE Transactions on Aerospace and Electronic Systems, Vol. 27 (4), July 1991.
FHM	4	J. Chaffee and J. Abel (1992), "The GPS Filtering Problem," IEEE Position, Location and Navigation Symposium 1992.
FHM	5	J. Chaffee, J. Abel and B. McQuiston (1993), "GPS Positioning, Filtering and

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APROPRIATE
FHM	5 8 8 3 5 9 5	03/16/99	Colley			
FHM	5 9 0 2 3 5 1	05/11/99	Streit et al.			
FHM	6 1 2 7 9 6 8	10/03/00	Lu			
FHM	6 2 6 6 5 3 3	07/24/01	Zadeh et al.			
FHM	6 2 8 5 3 1 5	09/04/01	Pratt			

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## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Integration," IEEE Aerospace and Electronics Conference 1993.
FHM	6	Yaakov Bar-Shalom (1995), "Multitarget-Multisensor Tracking Principles and Techniques," NMP Research and Technology, pp. 1, 46 and 20.
FHM	7	Elliot D. Kaplan (1996), "Understanding GPS: Principles and Applications," Artech House Publisher, 1996, pp. 25-27.
FHM	8	Greg Welch and Gary Bishop (1997), "An Introduction to the Kalman Filter," University of North Carolina at Chapel Hill, Department of Computer Science, Chapel Hill, North Carolina, USA, TR95-041, September 17, 1997.
FHM	9	Jiao Shuhong, Si Xicai and Kong Fanru (1998), "A Time-of-Arrival Location for Maneuvering Target on Two-Dimensional Surface," Signal Processing

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—		Proceedings 1998, ICSP98, Fourth International Conference Vol. 2, 1998, pp. 1700-1703.
FAM		10 Nathan A. White, Peter S. Maybeck and Stewart L. DeVilbiss (1998),
—		"Detection of Interference/Jamming and Spoofing in a DGPS-Aided Inertial
—	.	System," IEEE Transactions on Aerospace and Electronic Systems, Vol. 34, No. 4,
—		October 1998, pp. 1208-1217.
FAM	1	11 M. Phatak, M. Chansarkar and S. Kohli (1999), "Position Fix From Three GPS
—		Satellites and Altitude: A Direct Method," IEEE Transactions on Aerospace and
—		Electronic Systems, Vol. 35 (1), January 1999.
FAM		12 Jari Syrjärinne and Paula Korvenoja (2001) "Nano R1 Navigation Filter," Nokia
—		Mobile Phones, September 5, 2001.

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